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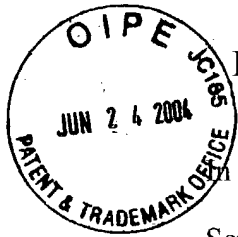
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Attorney Docket No. IMMR-019/02US

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of **Louis B. Rosenberg et al.**

Serial No.: 09/992,123

Examiner: Paul A. BELL

Confirmation No.: 1417

Art Unit: 2675

Filed: November 13, 2001

For: **FORCE FEEDBACK APPLICATIONS BASED ON CURSOR
ENGAGEMENT WITH GRAPHICAL TARGETS**

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- ☒ In accordance with 37 C.F.R. §1.97(b), no additional fee for submission of the IDS is required.
- ☐ In accordance with 37 C.F.R. §1.97(c), also enclosed is:
 - ☐ the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p); or
 - ☐ a statement as specified in 37 C.F.R. §1.97(e).
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- ☐ Check No. ____ in the amount of \$____ for the total fee is attached.
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- ☐ Please charge \$____ to Deposit Account No. 50-1283 for the total fee. This paper is being submitted in duplicate.

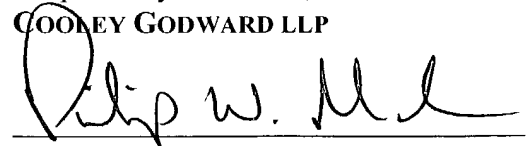
The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 50-1283.

Dated: June 24, 2004

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COOLEY GODWARD LLP

By:


Philip W. Marsh
Reg. No. 46,061



Attorney Docket No. IMMR-019/02US

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UNDER 37 C.F.R. §1.97(b)**

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In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56, Applicant(s)
hereby submits the following information in conformance with 37 C.F.R. §§1.97 and 1.98.

- ☒ Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the *first* attached Form PTO/SB/08 (1 of 2) is included in electronic format on the enclosed CD-ROM.
- ☒ No copies of the publications listed on the *second* attached Form PTO/SB/08A (2 of 2) are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. 09/590,856, now U.S. Patent No. 6,317,116, Application Serial No. 08/879,296, now U.S. Patent No. 6,078,308, Application Serial No. 08/571,606, now U.S. Patent No. 6,219,032, or Application Serial No. 08/756,745, now U.S. Patent No. 5,825,308 to which the above-identified application claims priority under 35 U.S.C. §120.
- ☐ No copies of any U.S. patents or U.S. patent application publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98 because this application was filed after June 30, 2003.
- ☐ Publication(s) ___ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to ___ application serial no. and mailed on ___.
- ☐ Enclosed is a copy of a non-English publication(s) ___. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).

- ☐ Enclosed is a copy of a non-English publication(s) _____. English language publication ____ (copy enclosed) claims priority from this non-English publication.
- ☐ Enclosed is an explanation of non-English publication(s) _____ for which an English translation is not available.
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- ☐ Enclosed is a copy of pending patent Application Serial No. _____.

This Information Disclosure Statement is filed within any one of the following time periods:

- ☐ within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);
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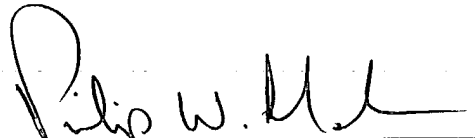
It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

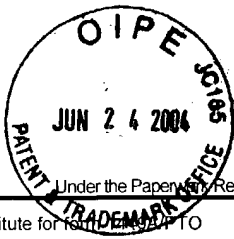
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Respectfully submitted,
COOLEY GODWARD LLP

By:


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Reg. No. 46,061



(1 of 2)

PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet **1** of **3****Complete if Known**

Application Number	09/992,123
Filing Date	November 13, 2001
First Named Inventor	Louis B. Rosenberg
Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		6,422,941	7/23/2002	Thorner et al.	
		6,160,489	12/12/2000	Perry et al.	
		6,111,577	8/29/2000	Zilles et al.	
		5,690,582	11/25/1997	Ulrich et al.	
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		4,262,549	4/21/1981	Schwellenbach	
		4,127,752	11/28/1978	Lowthorp	
		2,972,140	2/14/1961	Hirsch	

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	H2-185278		7/19/1990	Taito Corporation	
		JP	H4-8381		1/13/1992	Epoch Co. and Key- Planning Co.	
		JP	H7-24147		1/27/1995	Sega Corporation	
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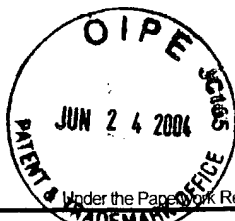
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Sheet **2** of **3**

Complete if Known

Application Number	09/992,123
Filing Date	November 13, 2001
First Named Inventor	Louis B. Rosenberg
Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		PATRICK, "Design, Construction, and Testing of a Fingertip Tactile Display for Interaction with Virtual and Remote Environments," <i>Master of Science Thesis</i> , MIT, Aug. 1990, archived Nov. 8, 1990.
		CALDER, "Design of A Force-Feedback Touch-Introducing Actuator For Teleoperator Robot Control," <i>Bachelor of Science Thesis</i> , MIT, May 1983, archived June 23, 1983.
		WIKER, "Teletouch Display Development: Phase 1 Report," <i>Technical Report 1230</i> , Naval Ocean Systems Center, San Diego, July 1988.
		BLISS, "Optical-to-Tactile Image Conversion for the Blind," <i>IEEE Transactions on Man-Machine Systems</i> , Vol. MMS-11, No. 1, March 1970.
		JOHNSON, "Shape-Memory Alloy Tactile Feedback Actuator," <i>Armstrong Aerospace Medical Research Laboratory</i> , AAMRL-TR-90-039, August, 1990.
		KONTARINIS et al., "Tactile Display of Vibratory Information in Teleoperation and Virtual Environments," <i>PRESENCE</i> , 4(4):387-402, Harvard Univ., 1995.
		AUKSTAKALNIS et al., "Silicon Mirage: The Art and Science of Virtual Reality," ISBN 0-938151-82-7, pp. 129-180, 1992.
		EBERHARDT et al., "Inducing Dynamic Haptic Perception by The Hand: System Description and Some Results," <i>DSC-Vol. 55-1, Dynamic Systems and Control: Volume 1</i> , ASME 1994.
		GOBEL et al., "Tactile Feedback Applied to Computer Mice," <i>International Journal of Human-Computer Interaction</i> , Vol. 7, No. 1, pp. 1-24, 1995.
		PIMENTEL et al., "Virtual Reality: through the new looking glass," 2 nd Edition; McGraw-Hill, ISBN 0-07-050167-X, pp. 41-202, 1994.
		"Cyberman Technical Specification," <i>Logitech Cyberman SWIFT Supplement to Logitech Mouse Technical Reference and Programming Guide</i> , 4/5/1994.
		OUHYOUNG et al., "The Development of A Low-Cost Force Feedback Joystick and Its Use in the Virtual Reality Environment," <i>Proceedings of the Third Pacific Conference on Computer Graphics and Applications, Pacific Graphics '95</i> , Seoul, Korea, 21-24 August 1995.
		KACZMAREK et al., "Tactile Displays," <i>Virtual Environment Technologies</i> , Chap. 9, pp. 349-414.
		LAKE, "Cyberman from Logitech," at http://www.ibiblio.org/GameBytes/issue21/greviews/cyberman.html , 1994.
		"Component Maintenance Manual With Illustrated Parts List, Coaxial Control Shaker Part no. C-25502," Safe Flight Instrument Corporation, Revised 28 January 2002 (3 pages).

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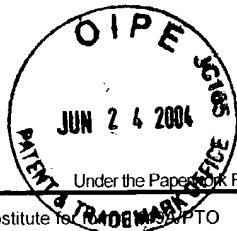
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Application Number	09/992,123
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Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		"Technical Manual Overhaul Instructions With Parts Breakdown, Coaxial Control Shaker Part no. C-25502," Safe Flight Instrument Corporation, Revised 15 July 1980 (23 pages).
		SCANNELL, "Taking a Joystick Ride," <i>Computer Currents</i> , Boston Edition, Vol. 9, No. 11, November 1994
		YAMAKITA et al., "Tele-Virtual Reality of Dynamic Mechanical Model," <i>Proceedings of the 1992 IEEE/RSJ International Conference on Intelligent Robots and Systems</i> , Raleigh, NC, July 7-10, 1992
		NOLL, "Man-Machine Tactile," <i>SID Journal</i> , July/August 1972 Issue.
		ROSENBERG, "Virtual Fixtures: Perceptual Overlays Enhance Operator Performance In Telepresence Tasks," <i>Ph.D. Dissertation</i> , Stanford University, June 1994.

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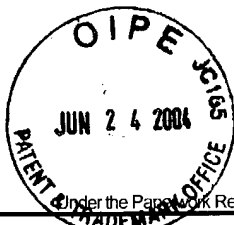
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **1** of **13**

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Application Number	09/992,123
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		6,131,097	10/2000	Peurach et al.	
		6,111,577	08/2000	Downs et al.	
		6,111,562	08/2000	Tarr et al.	
		6,088,019	07/2000	Rosenberg	
		6,084,587	07/2000	Rosenberg et al.	
		6,078,308	06/2000	Rosenberg et al.	
		6,061,004	05/2000	Rosenberg	
		6,057,828	05/2000	Rosenberg et al.	
		6,028,593	02/2000	Rosenberg et al.	
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		5,959,613	09/1999	Rosenberg et al.	
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		5,889,670	03/1999	Schuler et al.	
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		5,844,392	12/1998	Peurach et al.	
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		5,818,423	10/1998	Pugliese et al.	
		5,808,601	09/1998	Leah et al.	
		5,805,165	09/1998	Thorne, III et al.	
		5,805,140	09/1998	Rosenberg et al.	
		5,802,353	09/1998	Avila et al.	
		5,790,108	08/1998	Salcudean et al.	
		5,786,818	07/1998	Brewer et al.	
		5,784,052	07/1998	Keyson	
		5,781,172	07/1998	Engel et al.	
		5,771,037	06/1998	Jackson	
		5,767,839	06/1998	Rosenberg	
		5,757,358	05/1998	Osga	
		5,755,577	05/1998	Gillio	
		5,754,023	05/1998	Roston et al.	
		5,745,715	04/1998	Pickover et al.	
		5,742,278	04/1998	Chen et al.	
		5,739,811	04/1998	Rosenberg et al.	
		5,736,978	04/1998	Hasser et al.	

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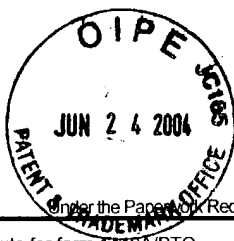
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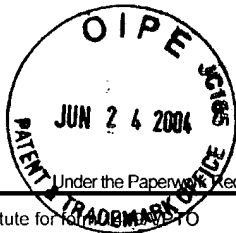
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		5,734,373	03/1998	Rosenberg et al.	
		5,731,804	03/1998	Rosenberg	
		5,721,566	02/1998	Rosenberg et al.	
		5,709,219	01/1998	Chen et al.	
		5,694,013	12/1997	Stewart et al.	
		5,691,898	11/1997	Rosenberg	
		5,691,747	11/1997	Amano	
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		5,643,087	07/1997	Marcus et al.	
		5,642,469	06/1997	Hannaford et al.	
		5,631,861	05/1997	Kramer	
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		5,623,642	04/1997	Katz et al.	
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		5,596,347	01/1997	Robertson et al.	
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		5,589,828	12/1996	Armstrong	
		5,587,937	12/1996	Massie et al.	
		5,583,478	12/1996	Renzi	
		5,577,981	11/1996	Jarvik	
		5,576,727	11/1996	Rosenberg et al.	
		5,570,111	10/1996	Barrett et al.	
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		5,565,840	10/1996	Thorne et al.	
		5,530,455	06/1996	Gillick et al.	
		5,526,480	06/1996	Gibson	
		5,513,100	04/1996	Parker	
		5,512,919	04/1996	Araki	
		5,491,477	02/1996	Clark et al.	
		5,482,051	01/1996	Reddy et al.	
		5,477,237	12/1995	Parks	

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Considered

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² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **3** of **13**

Complete if Known

Application Number	09/992,123
Filing Date	November 13, 2001
First Named Inventor	Louis B. Rosenberg
Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,471,571	11/1995	Smith et al.	
		5,467,763	11/1995	McMahon et al.	
		5,459,382	10/1995	Jacobus et al.	
		5,457,479	10/1995	Cheng	
		5,451,924	09/1995	Massimino et al.	
		5,445,166	08/1995	Taylor	
		5,436,640	07/1995	Reeves	
		5,436,638	07/1995	Bolas et al.	
		5,436,542	07/1995	Petelin et al.	
		5,435,554	07/1995	Lipson	
		5,429,140	07/1995	Burdea et al.	
		5,428,748	06/1995	Davidson et al.	
		5,417,696	05/1995	Kashuba et al.	
		5,414,337	05/1995	Schuler	
		5,412,880	05/1995	Raab	
		5,405,152	04/1995	Katanics et al.	
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		5,398,044	03/1995	Hill	
		5,397,323	03/1995	Taylor et al.	
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		5,386,507	01/1995	Teig et al.	
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		5,355,148	10/1994	Anderson	
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		5,298,890	03/1994	Kanamaru et al.	
		5,296,871	03/1994	Paley	
		5,296,846	03/1994	Ledley	
		5,290,276	03/1994	Kwok	
		5,275,565	01/1994	Moncrief	

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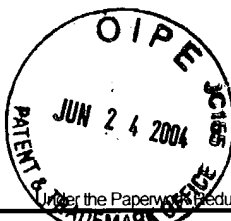
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **4** of **13**

Complete if Known

Application Number	09/992,123
Filing Date	November 13, 2001
First Named Inventor	Louis B. Rosenberg
Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,264,768	11/1993	Gregory	
		5,262,777	11/1993	Low et al.	
		5,259,894	11/1993	Sampson	
		5,259,120	11/1993	Chapman et al.	
		5,251,156	10/1993	Heier et al.	
		5,251,127	10/1993	Raab	
		5,243,266	09/1993	Kasagami et al.	
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		5,220,260	06/1993	Schuler	
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		5,204,824	04/1993	Fujimaki	
		5,195,179	03/1993	Tokunaga	
		5,193,963	03/1993	McAfee et al.	
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		5,184,319	02/1993	Kramer	
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		5,116,051	05/1992	Moncrief et al.	
		5,107,262	04/1992	Cadoz et al.	

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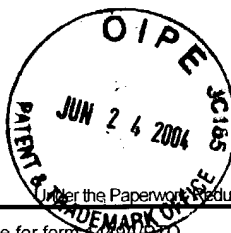
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STATEMENT BY APPLICANT**

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Sheet **5** of **13****Complete if Known**

Application Number	09/992,123
Filing Date	November 13, 2001
First Named Inventor	Louis B. Rosenberg
Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,107,080	04/1992	Rosen	
		5,103,404	04/1992	McIntosh	
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		5,088,055	02/1992	Oyama	
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		4,907,970	03/1990	Meenen, Jr.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **6** of **13**

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Application Number	09/992,123
Filing Date	November 13, 2001
First Named Inventor	Louis B. Rosenberg
Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,791,934	12/1988	Brunnett	
		4,787,051	11/1988	Olson	
		4,782,327	11/1988	Kley et al.	
		4,775,289	10/1998	Kazerooni	
		4,769,763	09/1988	Trieb et al.	
		4,750,487	06/1988	Zanetti	
		4,734,685	03/1988	Watanabe	
		4,704,909	11/1987	Grahn et al.	
		4,703,443	10/1987	Moriyasu	
		4,692,756	09/1987	Clark	
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		4,679,331	07/1987	Koontz	
		4,676,002	06/1987	Slocum	
		4,654,648	03/1987	Herrington et al.	
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		4,571,834	02/1986	Fraser et al.	
		4,550,617	11/1985	Fraignier et al.	
		4,550,221	10/1985	Mabusth	
		4,477,973	10/1984	Davies	
		4,477,043	10/1984	Repperger	
		4,448,083	05/1984	Hayashi	
		4,398,889	08/1983	Lam	
		4,216,467	08/1980	Colston	
		4,148,014	04/1979	Burson	
		4,125,800	11/1978	Eaton	
		4,114,882	09/1978	Mau	
		3,944,798	03/1976	Eaton	
		3,919,691	11/1975	Noll	
		3,890,958	06/1975	Fister et al.	
		3,531,868	10/1970	Stevenson	

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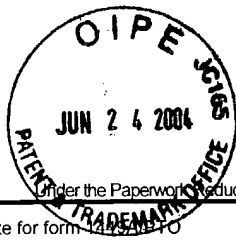
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 7 of 13

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Application Number	09/992,123
Filing Date	November 13, 2001
First Named Inventor	Louis B. Rosenberg
Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		3,490,059	01/1970	Paulsen et al.	
		2,906,179	09/1959	Bower	

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		WO	9502233		01/1995		
		WO	9532459		11/1995		
		WO	9642078		12/1996		
		WO	9200559		01/1992		
		WO	026634A2		11/1994		
		WO	9502801		01/1995		
		WO	9520787		08/1995		
		WO	9520788		08/1995		
		WO	9616397		05/1996		
		WO	9622591		07/1996		
		WO	9628777		09/1996		
		WO	9720305		06/1997		
		WO	9712357		04/1997		
		WO	9719440		05/1997		
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		JP	4-34610		02/1992		
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		EP	0265011 A1		04/1988		
		EP	0607580 A1		07/1994		

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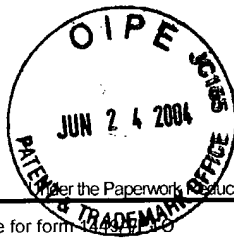
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 8 of 13

Complete if Known

Application Number	09/992,123
Filing Date	November 13, 2001
First Named Inventor	Louis B. Rosenberg
Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		"Foot-Operated Mouse," IBM Technical Disclosure Bulletin, Apr. 1986, vol. 28, No. 11.
		"High Performance Model of the Immersion Probe," Immersion-Probe-MD™, Immersion Human Interface Corporation.
		"Proceedings of the IFIP Congress 65," International Federation for Information Processing, Information Processing 1965, vol. 3, New York, May 24-29, pp. 506.
		"The Personal Digitizer™," Immersion Human Interface Corporation 1994.
		"Useful Technology for Your Idea File," Design News, Mar. 7 1994, pp. 63.
		3D Human Interface Tool, Immersion Probe™, Immersion Human Interface Corporation 1994.
		ADACHI, YOSHITAKA ET AL., "Sensory Evaluation of Virtual Haptic Push-Buttons," Technical Research Center, Suzuki Motor Corporation, Nov. 1994.
		ADELSTEIN BERNARD D. ET AL., "A High Performance Two Degree-of-Freedom Kinesthetic Interface," Massachusetts Institute of Technology 1992, pp. 108-112.
		AKAMATSU ET AL., "Multimodal Mouse: A Mouse-Type Device with Tactile and Force Display", Presence, vol. 3, No. 1, Winter 1994, pp. 73-80.
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		ATKINSON, WILLIAM D. ET AL., "Computing with Feeling," Comput. & Graphics, vol. 2, No. 2-E, pp. 97-103.
		BATTER, JAMES J. ET AL., "Grove-1: A Computer Display to the Sense of Feel," pp. TA-a-188-Ta-4-192.
		BEJCZY, ANTAL K., "The Phantom Robot: Predictive Displays for Teleoperation with Time Delay," IEEE 1990, pp. 546-550.
		BROOKS, F. ET AL., "Project GROPE--Haptic Displays for Scientific Visualization," Computer Graphics, vol. 24, Number 4, Aug. 1990, pp. 177-185.

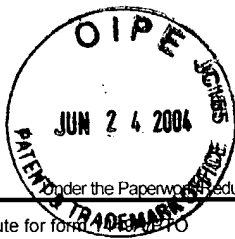
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Sheet **9** of **13**

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Application Number	09/992,123
Filing Date	November 13, 2001
First Named Inventor	Louis B. Rosenberg
Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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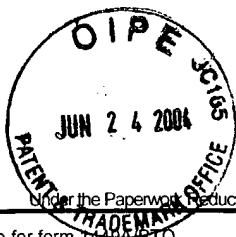
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Sheet **10** of **13**

Complete if Known

Application Number	09/992,123
Filing Date	November 13, 2001
First Named Inventor	Louis B. Rosenberg
Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		IWATA, H. "Artificial Reality with Force-feedback: Development of Desktop Virtual Space with Compact Master Manipulator", Computer Graphics, vol. 24, No. 4, Aug. 1990, pp. 165-170.
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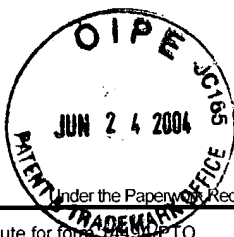
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Sheet 11 of 13

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Application Number	09/992,123
Filing Date	November 13, 2001
First Named Inventor	Louis B. Rosenberg
Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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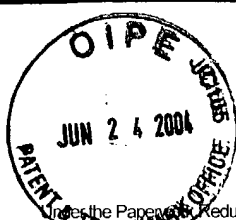
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Sheet **12** of **13**

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Application Number	09/992,123
Filing Date	November 13, 2001
First Named Inventor	Louis B. Rosenberg
Art Unit	2675
Examiner Name	Paul A. Bell
Attorney Docket Number	IMMR019/02US

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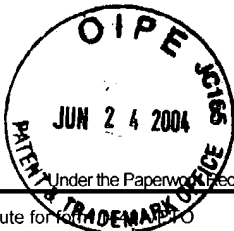
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		WINEY III, C., "Computer Simulated Visual and Tactile Feedback As An Aid to Manipulator and Vehicle Control", MIT, 1981, pp. 1-80.
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